

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	15	L1 and (linear\$4 near4 polariz\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/06 09:34
S72	288	((connect\$4 near5 (cascad\$4 or parallel)) same ((Mach near2 Zehnder) or mach-zender or mz))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/06 09:33
L1	289	((connect\$4 near5 (cascad\$4 or parallel)) same ((Mach near2 Zehnder) or mach-zender or mz))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/06 09:33
S58	145	S57 and (((Mach near2 Zehnder) or mach-zender or mz) near2 interferometer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/05 12:42
S71	2	"7167651".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/05 12:32
S70	1883	S69 and (@ad<"20030702")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/05 12:32
S69	2464	385/3,39.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/05 12:26
S66	78	(polarization and splitting and orthogonal and "same" and state and (mach-zehnder or mz) and chip and output and combining)".clm"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/05 12:26
S68	0	(polarization and splitting and orthogonal and "same" and state and (mach-zehnder or mz) and chip and output and combining).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/05 12:18

## EAST Search History

S67	78	(polarization and splitting and orthogonal and "same" and state and (mach-zehnder or mz) and chip and output and combining)".clm."	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/05 12:18
S65	0	((mach-zehnder or mz) and chip and splitting and linear and polarization and "same" and state and output and combining).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/05 12:17
S64	0	((mz) and splitter and combiner and phase and shifter and linear and polarization and "same" and state and chip and electro-optical).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/05 12:16
S63	0	((mz) and splitter and phase and shifter and combiner and linear and polarization and "same" and state).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/05 12:16
S62	0	((mach-zehnder) and splitter and phase and shifter and combiner and linear and polarization and "same" and state).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/05 12:16
S61	0	((Mach-Zehnder) and splitter and combiner and phase and shifter and linear and polarization and "same" and state and chip and electro-optical).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/05 12:16
S60	20	("4471116"   "4798429"   "4842367"   "4850667"   "4878030").PN. OR ("5161206").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/05 12:13
S59	13	("20020051601"   "20020089711"   "20020191886"   "20030002767"   "5111517"   "5227715"   "5661825"   "5838844"   "5933554"   "6370308"   "6374002").PN. OR ("6751002").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/05 11:40
S56	7	S55 and (((linear\$4 near4 (polarization or polarized)) near5 (incoming or input or signal)) same (((Mach near2 Zehnder) or mach-zehnder or mz) near2 interferometer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/05 11:27
S57	1308	S55 and (((linear\$4 near4 (polarization or polarized)) near5 (incoming or input or signal)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/05 11:26

## EAST Search History

S55	193538	("385"/\$.ccls.) or ("359"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/05 11:24
S28	33	385/3.ccls. and ((mach-zehnder) near3 (plurality or several or numerous or fourth or four))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/05 11:19
S54	46	("4718120"   "4769853"   "5008958"   "5031236"   "5060312"   "5069520"   "5140277"   "5142402"   "5263102"   "5293264"   "5301058"   "5307197"   "5363228"   "5400417"   "5574805").PN. OR ("5654818").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/02 13:52
S53	2	"5654818".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/02 13:52
S52	108	S51 and (@ad<"20010926")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/25 15:21
S51	237	((((mach-zehnder) or MZ or (mach adj zehnder)) near3 (interferometer or modulator or device or apparatus or component)) and (linear\$3 near3 (polarized or polarize or polarization or polarizes)) and split\$4 and (phase near3 shift\$4)).detd.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/25 15:21
S50	189	S49 and (@ad<"20010926")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/25 15:21
S49	385	((((mach-zehnder) or MZ or (mach adj zehnder)) near3 (interferometer or modulator or device or apparatus or component)) and (linear\$3 near3 (polarized or polarize or polarization or polarizes)) and split\$4 and (phase near3 shift\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/25 15:21

## EAST Search History

S48	746	((mach-zehnder) or MZ or (mach adj zehnder)) near3 (interferometer or modulator or device or apparatus or component)) and (linear\$3 near3 (polarized or polarize or polarization or polarizes))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/25 15:17
S47	46	("4718120"   "4769853"   "5008958"   "5031236"   "5060312"   "5069520"   "5140277"   "5142402"   "5263102"   "5293264"   "5301058"   "5307197"   "5363228"   "5400417"   "5574805").PN. OR ("5654818").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 15:13
S46	2	"5654818".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/25 14:57
S1	12	("5161206" or "5222103" or "5416859" or "6476952").pn. or "20030007216" or "200300043437" or "200300090768" or "20010007601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/25 14:56
S45	30	"5654818"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/28 11:50
S40	155	((MZI or MZ or mach-zehnder or (mach adj zehnder)) with ((tim\$4) near4 (signal)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/25 11:14
S44	10	((MZI or MZ or mach-zehnder or (mach adj zehnder)) with (( equal) near4 (optic\$4 near3 power)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/25 11:13
S43	6	((MZI or MZ or mach-zehnder or (mach adj zehnder)) with ((tim\$4) near4 (signal))) and (feedback near4 loop)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/25 11:11
S42	4	((MZI or MZ or mach-zehnder or (mach adj zehnder)) with ((tim\$4) near4 (signal))) with (feedback	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/25 11:05

## EAST Search History

S41	0	((MZI or MZ or mach-zehnder or (mach adj zehnder)) with ((tim\$4) near4 (signal))) with (feedback near4 loop)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/25 11:04
S39	11	((MZI or MZ or mach-zehnder or (mach adj zehnder)) with ((minimiz\$4 or reduc\$4) near4 (optic\$4 near3 power)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/25 11:03
S36	52	((MZI or MZ or mach-zehnder or (mach adj zehnder)) with ((minimiz\$4 or reduc\$4) near4 power))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/25 10:47
S38	1	S35 and S36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/25 10:46
S37	59	"5101450"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/25 10:46
S33	11	((MZI or MZ or mach-zehnder or (mach adj zehnder)) with (extinct\$4 near4 point))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/25 10:45
S35	16	("20030138181"   "20040028418"   "20040141691"   "20050111855"   "20050117191"   "4716559"   "4893352"   "5069517"   "5325388"   "5566381"   "5644664"   "5694504"   "5949926"   "5999300"   "6456750"   "6798557").PN. OR ("7035486").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 10:43
S34	1	("2004/0028418").URPN.	USPAT	OR	ON	2006/08/25 10:42

## EAST Search History

S32	37	("20010028760"   "20020005975"   "20020018268"   "20020024694"   "20020106148"   "20020126934"   "20030011847"   "20030189745"   "20030228081"   "20040096137"   "5101450"   "5148503"   "5311346"   "5349312"   "5408498"   "5416626"   "5446574"   "5513029"   "5579328"   "5761225"   "5805321"   "5892858"   "5949560"   "5999258"   "6067180"   "6115162"   "6124960"   "6128111"   "6205262"   "6262834"   "6304369"   "6441932"   "6473013"   "6559994"   "6580532"   "6606424"   "6693929").PN. OR ("7023601").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/24 11:33
S31	93	((MZI or MZ or mach-zehnder or (mach adj zehnder)) with (parallel near4 (connect\$4 or arrang\$4)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/24 11:30
S30	2	"10613772"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 11:17
S29	25	("20030175036"   "20030175037"   "20030228107"   "4505587"   "5101450"   "5148503"   "5161044"   "5168534"   "5249243"   "5835212"   "5886807"   "5956171"   "6016198"   "6091864"   "6304685"   "6341184"   "6522793"   "6535320"   "6580840"   "6583917"   "6647158"   "6687451"   "6721081"   "6781741"   "6785434").PN. OR ("6961166").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 10:54
S27	26	("5654818").URPN.	USPAT	OR	ON	2006/08/10 10:48
S26	2	"5654818".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/10 10:46
S25	2	"5654181".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/10 10:46

## EAST Search History

S24	16	("20030138181"   "20040028418"   "20040141691"   "20050111855"   "20050117191"   "4716559"   "4893352"   "5069517"   "5325388"   "5566381"   "5644664"   "5694504"   "5949926"   "5999300"   "6456750"   "6798557").PN. OR ("7035486").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 10:40
S23	1	("2004/0028418").URPN.	USPAT	OR	ON	2006/08/10 10:39
S22	15	((mach-zehnder) with (numerous or plurality or several or four or fourth)) with (((combiner or combines) with (splitter or splits)) with (numerous or plurality or several or two or second))	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 10:38
S21	19	"6025944"	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 10:37
S20	9	("4096448"   "5212825"   "5347525"   "5838727"   "5841557"   "5896211"   "5965874"   "6008931"   "6915077").PN. OR ("7076169").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 10:36
S19	6	"09962243"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/10 10:34
S18	1	"10962243"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/10 10:34
S17	41	("4718120"   "4769853"   "5008958"   "5031236"   "5060312"   "5069520"   "5140277"   "5142402"   "5263102"   "5293264"   "5301058"   "5307197"   "5363228"   "5400417"   "5574805").PN. OR ("5654818").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/07 11:26
S16	41	("4718120"   "4769853"   "5008958"   "5031236"   "5060312"   "5069520"   "5140277"   "5142402"   "5263102"   "5293264"   "5301058"   "5307197"   "5363228"   "5400417"   "5574805").PN. OR ("5654818").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/07 11:03
S15	27	"5654818"	US-PGPUB; USPAT	OR	ON	2006/08/07 10:59

## EAST Search History

S14	1	"5060312".pn.	US-PGPUB; USPAT	OR	ON	2006/08/07 10:59
S13	3	"10669130"	US-PGPUB; USPAT	OR	ON	2006/08/07 10:57
S12	0	"10669130"	USPAT	OR	ON	2006/08/07 10:53
S11	0	("2004/0096143").URPN.	USPAT	OR	ON	2006/08/07 10:53
S10	367	S9 and electrode\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/07 10:50
S9	760	"385"/\$.ccls. and (mach near2 zehnder) and (phase near2 shift\$4) and split\$4 and combin\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/07 10:49
S8	25	(("20030175036"   "20030175037"   "20030228107"   "4505587"   "5101450"   "5148503"   "5161044"   "5168534"   "5249243"   "5835212"   "5886807"   "5956171"   "6016198"   "6091864"   "6304685"   "6341184"   "6522793"   "6535320"   "6580840"   "6583917"   "6647158"   "6687451"   "6721081"   "6781741"   "6785434").PN. OR ("6961166"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/07 10:48
S3	70	"385"/\$.ccls. and (quadrature near2 modulat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/07 10:48
S7	25	(("20030175036"   "20030175037"   "20030228107"   "4505587"   "5101450"   "5148503"   "5161044"   "5168534"   "5249243"   "5835212"   "5886807"   "5956171"   "6016198"   "6091864"   "6304685"   "6341184"   "6522793"   "6535320"   "6580840"   "6583917"   "6647158"   "6687451"   "6721081"   "6781741"   "6785434").PN. OR ("6961166"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/07 09:08
S6	2	"10613772"	US-PGPUB	OR	ON	2006/08/07 08:59
S5	0	"10613772"	USPAT	OR	ON	2006/08/07 08:59



## EAST Search History

S4	1	("2004/0240765").URPN.	USPAT	OR	ON	2006/08/07 08:59
S2	3	("2001/0007601").URPN.	USPAT	OR	ON	2006/08/07 08:47